

Application No.: 10/783,304  
Docket No.: UC0412USNA

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### Remarks

#### Status of the Application

Claims 1-25 and 38 are pending. Claims 1, 17 and 38 are amended, without introducing new matter. Claims 1, 8 and 17 are amended to remove "vinyl group" from available crosslinkable substituent groups. These amendments are supported at page 9, lines 19-21 with respect to Formula I, and page 7, lines 13-15 with respect to Formula IV, among other areas of the specification text. The amendment to claim 38 is supported at page 22, lines 3-8.

#### Allowed and Allowable Subject Matter

Applications note with appreciation that claims 8-16 and 24 are allowed, and claims 3-5, 21 and 22 would be allowable if rewritten so as not to depend from a rejected base claim. In view of the claim amendments made in this paper, Applicants respectfully submit that the requirement to rewrite claims 3-5 and 21-22 is now moot.

#### Clarification

The Office Action under the heading "Response to Amendment" that with respect to claim 1,  $R^1$  is understood to be aryl or heteroaryl optionally substituted with a crosslinkable group. This is correct, as long as it is understood that the aryl or heteroaryl groups may be substituted with 1 or more fluorine atoms, so as to constitute fluoroaryl or fluoroheteroaryl, respectively. The operative language, taken from claim 1, is:

$R^1$  is selected from aryl, heteroaryl, fluoroaryl substituted with 1 or more fluorine atoms, fluoroheteroaryl substituted with 1 or more fluorine atoms, and a crosslinkable group attached to aryl, heteroaryl, fluoroaryl, or fluoroheteroaryl substituted with 1 or more fluorine atoms;

indicating that  $R^1$  can be aryl, heteroaryl, fluoroaryl substituted with one or more F atoms or fluoroheteroaryl substituted with 1 or more F atoms, or any of those four with a crosslinkable substituent. The operative language is supported in the specification, inter alia, at page 3, lines 14-20.

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Amended Claims Not Anticipated by Hirose

Claims 1, 2, 6, 7, 17-20, 23 and 25 were rejected as anticipated by the Hirose reference (JP 2004030942 A2, published January 29, 2004). In Hirose, the structures from Hirose shown as RN 651048-27-0 and RN 651048-28-1, the styryl or acetylenic carbons are substituted on a phenyl ring bound to an N atom. By contrast, in embodiments of the claimed compounds, as amended, the aryl or heteroaryl (whether or not fluorinated) bound directly to the N atom may not contain a vinyl group as the crosslinkable substituent. Applicants respectfully submit that amended claims 1 and 17 overcome the anticipation rejection based on Hirose.

Amended Claim Claim 38 Is Definite

Amended claim 38 specifies that the composition is a copolymer that comprises monomers selected from the group consisting of claim 1 and claim 8 compositions. Applicants submit that claim 38, as amended, is definite and overcomes the rejection of the Office Action.

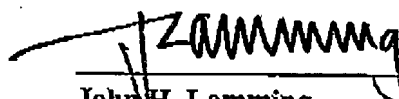
Conclusion

Applicants submit that the objections and rejections should not be reapplied to the pending claims. Applicants further submit that the pending claims are in condition for allowance, and earnestly solicit a notice of allowance for claims 1-25, and 38.

Should the Examiner have questions about the application or the contents of this paper, the Examiner is invited to call the undersigned at the telephone number listed below.

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "J. Lamming", is written over a horizontal line.

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Date: August 13, 2007